

THAT WHICH IS CLAIMED IS:

1. Method of filtering data concerning an electronic program guide (EPG) in a television receiver and sent in the form of a SUMMARY followed by CONTENTS, the SUMMARY indicating for each channel the code CNI of the channel and identification numbers ID of data blocks sent with the CONTENTS, said television receiver comprising a device for automatically searching television channels (38) supplying to a first memory (18) a list of codes CNI for all or some of the channels received by the television receiver, characterized in that it comprises the main steps of:

(I) obtaining in a second memory (28), from the SUMMARY of the guide, a MODIFIED SUMMARY containing only the information of the SUMMARY concerning all or some of the channels received by the television receiver as identified in the first memory, and

(II) recording only the data blocks of the CONTENTS of the guide in a third memory (34) when they correspond to identification numbers (ID) of the MODIFIED SUMMARY contained in the second memory.

2. Method according to claim 1, characterized in that main step (I) comprises the following steps:

(a) recording (20) the SUMMARY or a part of the latter in a buffer memory (22), at each field flyback,

(b) comparing (24) each code CNI of the SUMMARY with the list of codes CNI contained in the first memory (18),

10 (c) transferring (26) the received code CNI
and the identification numbers of the associated data
blocks into the second memory (28) only in the case of
identity so as to create the MODIFIED SUMMARY,
(d) returning to step (b) to process the
15 following code CNI or to step (a) to record the rest of
the SUMMARY.

3. Method according to claim 2,
characterized in that step (b) comprises the following
two sub-steps:

(b1) reading in the buffer memory (22) a code
5 CNI of the SUMMARY, and

(b2) comparing that read code CNI with the
list of codes CNI contained in the memory (18).

4. Method according to any one of claims 1,
2, or 3, characterized in that step (II) comprises the
steps of:

(e) recording (20) at least one data block of
5 the CONTENTS and its identification number (ID) in the
buffer memory (22),

(f) comparing (30) the identification number
(ID) of the data block recorded in the buffer memory
(22) with the identification numbers (ID) recorded in
10 the second memory (28),

(g) transferring the data block, its
identification number as well as the corresponding code
CNI into the third memory (34) only in the case of
identity, and

15 (h) returning to step (f) to process the
identification number of the following data block or to

step (e) for recording the data block(s) of the following field.

5. Method according to claim 4, characterized in that step (f) comprises the following two sub-steps:

- (f1) reading an identification number (ID) of a data block contained in the buffer memory (22), and
- (f2) comparing that identification number (ID) with the identification numbers of the MODIFIED SUMMARY recorded in the second memory (28).

6. Method according to any one of claims 4 or 5 in the case where the identification numbers (ID) associated to each code CNI correspond to the identification numbers of the first and last identification numbers (ID) of the series of data blocks allocated to a channel, characterized in that step (f) involves comparing the identification number (ID) of the received data block with each identification number of the series of numbers allocated to a channel.

7. Device for implementing the method according to any one of claims 1 to 6 in a television receiver which comprises at least:

- a device for automatically searching channels (38) supplying to a first memory (18) a list of codes CNI of all or some of the channels received by the television receiver,
- a buffer memory (22) for recording the information concerning the electronic program guide

10 (EPG) received during a field flyback of the television image,

- a third memory (34) for recording, via the buffer memory (22), the information of the EPG guide,
- a television screen (14) for displaying the television pictures as well as information of the EPG guide, and

- a microcontroller (40, MC) for supplying command signals for commanding the buffer memory (22) and first and third memories (18, 34),

20 characterized in that said filtering device comprises:

- first comparison means (24 or 40) for comparing each code CNI of the SUMMARY of the EPG guide with the list of codes CNI of all or some of the channels received by the television receiver, as recorded in the first memory (18),

- means (26, 40), controlled by the first comparison means (24, 40), for recording in a second memory (28) the codes CNI of all or some of the received channels as well as numbers (ID) identifying the data blocks corresponding to the program of said received channels,

- second comparison means (30, 40) for comparing each identification number (ID) of a received data block with the list of identification numbers recorded in the second memory (28),

- means (32, 40), commanded by the second comparison means, for recording in the third memory (34) the data blocks for which the identification numbers (ID) correspond to those recorded in the second

memory (28) as well as the code CNI of the channel and the identification number (ID) of the data block.

8. Device according to claim 7, characterized in that it further comprises means (46, 48, 40, 38) for enabling a viewer to select in the first memory (18) the channels of interest to him/her.